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PUB-NO: JP405000912A
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TITLE: ANTIMICROBIAL COMPOSITION

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INVENTOR-INFORMATION:

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APPL-NO: JP03150005
APPL-DATE: June 21, 1991

INT-CL (IPC): A01N 59/16; A01N 25/10

ABSTRACT:

PURPOSE: To improve thermal stability and colorability, to maintain antimicrobial and antimycotic actions for a long period of time and not to cause environmental pollution due to an antimicrobial composition to be dispersed into a resin, and to show antimicrobial and antimycotic actions on the resin surface.

CONSTITUTION: Antimicrobial and antimycotic material such as thiosulfate-silver complex prepared by reacting a water-soluble silver salt with thiosulfate or sulfite, a plant extract, a quaternary ammonium salt, chlorhexidine gluconate, etc., etc., is used. These materials are rapidly adsorbed on a zinc oxide whisker carrier having different antimicrobial spectrum, the surface thereof is partially or wholly coated with a coating material such as organosilicon compound, wax or stearic acid compound. By the constitution, an antimicrobial composition which is used by dispersion into a synthetic resin and has high heat resistance, low colorability and long-term antimicrobial and antimycotic actions is obtained.

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